L Number	Hits	Search Text	DB	Time stamp
1	11675	((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/687) or (438/687) or (438/687) or (438/692) or (438/700)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:00
2	5058		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:01
3	0	1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:02
4	735	((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/687) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:02
5	501	dish\$3 (((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/687) or (438/687) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:02
6	195	dish\$3) and (copper or cu) ((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/633) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/653) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/687) or (438/687) or (438/685) or (438/687) or (438/687) or (438/687) or (dish\$3) or (dish\$3) and (copper or cu) and ((copper or cu) same (diffusion near10 (barrier or anti)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:03

7	174	(((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
1 '	1/4	or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:11
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
1		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM TDB	
		(438/663) or (438/669) or (438/672) or	<u>-</u>	
		(438/674) or (438/675) or (438/685) or		
	ļ.	(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
	!	dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)		
9	17	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
	ı	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:05
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
	İ	(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
	1	(438/700)).CCLS.) and (cmp or (chemical\$2	İ	
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
	1	or cu) same (diffusion near10 (barrier or		
	1	anti)))) and (damascene or trench)) and		
10	0	(polish near10 (stop\$4 or anti)) (((((((((438/625) or (438/626) or	USPAT;	2004/07/23
10	1	((((((((438/623) of (438/626) of (438/631) or	US-PGPUB;	22:05
	1	(438/632) or (438/633) or (438/637) or	EPO; JPO;	22.03
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or	12	
		(438/672) or (438/674) or (438/675) or	•	
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper	ļ	
		or cu) same (diffusion near10 (barrier or	·	
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)) not		
	ł	(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		ļ
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 (stop\$4 or anti)))		
8	17	1 -	USPAT;	2004/07/23
_		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:10
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or	-	
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
	1	adj mechanical\$2 adj polish\$3))) and		
	1	dish\$3) and (copper or cu)) and ((copper	ļ	
		or cu) same (diffusion near10 (barrier or		
	1	anti)))) and (damascene or trench)) and		
1	l .	(polish near10 stop\$4)	I	i _

11	174	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:11
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	[
		(438/648) or (438/653) or (438/656) or	IBM TDB	]
		(438/660) or (438/663) or (438/669) or	1511_155	
			L	
		(438/672) or (438/674) or (438/675) or		[
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		j
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and	i	
		(passivat\$3 ner ((((((((438/625) or		
		(438/626) or (438/627) or (438/629) or	i	·
		(438/631) or (438/632) or (438/633) or		
1		(438/637) or (438/643) or (438/645) or		
		(438/646) or (438/648) or (438/653) or		
		(438/656) or (438/660) or (438/663) or		
		(438/669) or (438/672) or (438/674) or		
		(438/675) or (438/685) or (438/687) or		
		(438/692) or (438/700)).CCLS.) and (cmp		
		or (chemical\$2 adj mechanical\$2 adj		
		polish\$3))) and dish\$3) and (copper or		
		cu)) and ((copper or cu) same (diffusion		
		near10 (barrier or anti)))) and		1
		(damascene or trench)) and (polish near10		1
		stop\$4)) not (((((((438/625) or		1
		(438/626) or (438/627) or (438/629) or		
		(438/631) or (438/632) or (438/633) or		
		(438/637) or (438/643) or (438/645) or		
		(438/646) or (438/648) or (438/653) or		
		(438/656) or (438/660) or (438/663) or	ļ	
		(438/669) or (438/672) or (438/674) or		
		(438/675) or (438/685) or (438/687) or		
		(438/692) or (438/700)).CCLS.) and (cmp		
		or (chemical\$2 adj mechanical\$2 adj		
		polish\$3))) and dish\$3) and (copper or		İ
		cu)) and ((copper or cu) same (diffusion		
		near10 (barrier or anti)))) and		l
		(damascene or trench)) and (polish near10		l i
		(stop\$4 or anti)))) (copper or cu))		
12	28	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
12	20	(438/627) or (438/629) or (438/631) or	·	22:26
			US-PGPUB;	22:20
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
1		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
1 - 1		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
1		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))		

13	27	(((((((((438/625) or (438/626) or	USPAT;	2004/07/23
1		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:20
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or	_	
	ļ.	(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
	1	(438/700)).CCLS.) and (cmp or (chemical\$2		1
	1	adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		ļ
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
	1	(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
•		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
İ		adj mechanical\$2 adj polish\$3))) and		
	!	dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		]
		anti)))) and (damascene or trench)) and		
1		(polish near10 stop\$4))		
14	3	, , , , , , , , , , , , , , , , , , , ,	USPAT	2004/07/23
		("6599827")).PN.		22:20
15	43	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
	1	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:27
	ļ	(438/632) or (438/633) or (438/637) or	EPO; JPO;	
1		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		
	[	(438/672) or (438/674) or (438/675) or		
1		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
1	[	adj mechanical\$2 adj polish\$3))) and		
}		dish\$3) and (copper or cu)) and ((copper		
1	[	or cu) same (diffusion near10 (barrier or		
}	1	anti)))) and (damascene or trench)) and		
		(cap\$4 near10 (copper or cu))		
	<del></del>	<del></del>	•	•

(438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/660) or (438/672) or (438/674) or (438/675) or (438/685) or (438/685) or (438/687) or (438/692) or	
(438/643) or (438/645) or (438/646) or DERWENT; (438/648) or (438/653) or (438/656) or IBM_TDB (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or	
(438/648) or (438/653) or (438/656) or IBM_TDB (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or	
(438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or	
(438/672) or (438/674) or (438/675) or	
(438/700)).CCLS.) and (cmp or (chemical\$2)	
adj mechanical\$2 adj polish\$3))) and	
dish\$3) and (copper or cu)) and ((copper	
or cu) same (diffusion near10 (barrier or	
anti)))) and (damascene or trench)) and	
(cap\$4 near10 (copper or cu))) not	
(((((((((((438/625) or (438/626) or	
(438/627) or (438/629) or (438/631) or	
(438/632) or (438/633) or (438/637) or	
(438/643) or (438/645) or (438/646) or	
(438/648) or (438/653) or (438/656) or	
(438/660) or (438/663) or (438/669) or	
(438/672) or (438/674) or (438/675) or	
(438/685) or (438/687) or (438/692) or	
(438/700)).CCLS.) and (cmp or (chemical\$2	
adj mechanical\$2 adj polish\$3))) and	
dish\$3) and (copper or cu)) and ((copper	
or cu) same (diffusion near10 (barrier or	
anti)))) and (damascene or trench)) and	
(passivat\$3 near10 (copper or cu))) not	
(((((((((438/625) or (438/626) or (438/631) or (438/631) or (438/631) or (438/631)	
(438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or	
(438/632) or (438/635) or (438/636) or	
(438/648) or (438/653) or (438/656) or	
(438/660) or (438/663) or (438/669) or	
(438/672) or (438/674) or (438/675) or	
(438/685) or (438/687) or (438/692) or	
(438/700)).CCLS.) and (cmp or (chemical\$2)	
adj mechanical\$2 adj polish\$3))) and	
dish\$3) and (copper or cu)) and ((copper	
or cu) same (diffusion near10 (barrier or	
anti)))) and (damascene or trench)) and	
(polish near10 stop\$4)))	

17	28	(((((((((438/625) or (438/626) or	USPAT;	2004/07/23
[		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:42
]		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
1		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or	İ	
		(438/700)).CCLS.) and (cmp or (chemical\$2	į.	
		adj mechanical\$2 adj polish\$3))) and	ŀ	
		dish\$3) and (copper or cu)) and ((copper	ļ	
		or cu) same (diffusion near10 (barrier or		
į		anti)))) and (damascene or trench)) and		
		(cap\$4 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		•
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
İ		(438/700)).CCLS.) and (cmp or (chemical\$2		}
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
İ		or cu) same (diffusion near10 (barrier or	•	
İ		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
l		dish\$3) and (copper or cu)) and ((copper		
į		or cu) same (diffusion near10 (barrier or		
į		anti)))) and (damascene or trench)) and		
1		(polish near10 stop\$4)))) and plasma	i	1

18	12 (((((((((438/625) or (438/626) or	USPAT;	2004/07/23	Į
10	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:45	١
i	(438/632) or (438/633) or (438/637) or	EPO; JPO;	22.33	l
	(438/643) or (438/645) or (438/646) or	DERWENT;		
	(438/648) or (438/653) or (438/656) or	IBM TDB	}	l
	(438/660) or (438/663) or (438/669) or	1011_100		ĺ
	(438/672) or (438/674) or (438/675) or			١
	(438/685) or (438/687) or (438/692) or		İ	İ
	(438/700)).CCLS.) and (cmp or (chemical\$2			١
	adj mechanical\$2 adj polish\$3))) and			١
	dish\$3) and (copper or cu)) and ((copper			١
	or cu) same (diffusion near10 (barrier or			ĺ
	anti)))) and (damascene or trench)) and			١
	(cap\$4 near10 (copper or cu))) not			١
	(((((((((438/625) or (438/626) or			١
	(438/627) or (438/629) or (438/631) or		İ	١
	(438/632) or (438/633) or (438/637) or			١
	(438/643) or (438/645) or (438/646) or		!	١
	(438/648) or (438/653) or (438/656) or		1	١
	(438/660) or (438/663) or (438/669) or		1	ĺ
	(438/672) or (438/674) or (438/675) or			١
1	(438/685) or (438/687) or (438/692) or			
	(438/700)).CCLS.) and (cmp or (chemical\$2			l
1	adj mechanical\$2 adj polish\$3))) and			١
	dish\$3) and (copper or cu)) and ((copper			ĺ
	or cu) same (diffusion near10 (barrier or			١
	anti)))) and (damascene or trench)) and			ĺ
1	(passivat\$3 near10 (copper or cu))) not			١
	(((((((((438/625) or (438/626) or			١
	(438/627) or (438/629) or (438/631) or			١
	(438/632) or (438/633) or (438/637) or			١
	(438/643) or (438/645) or (438/646) or			١
	(438/648) or (438/653) or (438/656) or			١
	(438/660) or (438/663) or (438/669) or			١
1	(438/672) or (438/674) or (438/675) or			١
	(438/685) or (438/687) or (438/692) or			١
	(438/700)).CCLS.) and (cmp or (chemical\$2		İ	١
	adj mechanical\$2 adj polish\$3))) and			١
	dish\$3) and (copper or cu)) and ((copper			
	or cu) same (diffusion near10 (barrier or			
	anti)))) and (damascene or trench)) and			
	(polish near10 stop\$4)))) and (plasma			l
	same treat\$4)			۱

19	12 ((((((((((438/625) or (438/626) or	USPAT;	2004/07/23	$\Box$
-	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:45	
	(438/632). or (438/633) or (438/637) or	EPO; JPO;		-
	(438/643) or (438/645) or (438/646) or	DERWENT;		
	(438/648) or (438/653) or (438/656) or	IBM_TDB		- [
	(438/660) or (438/663) or (438/669) or			İ
	(438/672) or (438/674) or (438/675) or			
	(438/685) or (438/687) or (438/692) or			
	(438/700)).CCLS.) and (cmp or (chemical\$2			
	adj mechanical\$2 adj polish\$3))) and			
	dish\$3) and (copper or cu)) and ((copper			1
	or cu) same (diffusion near10 (barrier or			-
	anti)))) and (damascene or trench)) and			-
	(cap\$4 near10 (copper or cu))) not			1
	((((((((((438/625) or (438/626) or			-
	(438/627) or (438/629) or (438/631) or			-
	(438/632) or (438/633) or (438/637) or			-
	(438/643) or (438/645) or (438/646) or			-
	(438/648) or (438/653) or (438/656) or			1
	(438/660) or (438/663) or (438/669) or			1
	(438/672) or (438/674) or (438/675) or			1
	(438/685) or (438/687) or (438/692) or			1
	(438/700)).CCLS.) and (cmp or (chemical\$2		i	1
	adj mechanical\$2 adj polish\$3))) and			
	dish\$3) and (copper or cu)) and ((copper			1
	or cu) same (diffusion near10 (barrier or	1		1
	anti)))) and (damascene or trench)) and	,		
	(passivat\$3 near10 (copper or cu))) not			ı
	(((((((((438/625) or (438/626) or			-
	(438/627) or (438/629) or (438/631) or			-
	(438/632) or (438/633) or (438/637) or			-
	(438/643) or (438/645) or (438/646) or			-
	(438/648) or (438/653) or (438/656) or			-
	(438/660) or (438/663) or (438/669) or			-
	(438/672) or (438/674) or (438/675) or			
	(438/685) or (438/687) or (438/692) or			
	(438/700)).CCLS.) and (cmp or (chemical\$2	1		
	adj mechanical\$2 adj polish\$3))) and			
	dish\$3) and (copper or cu)) and ((copper			
	or cu) same (diffusion near10 (barrier or			
	anti)))) and (damascene or trench)) and			
	(polish near10 stop\$4)))) and (plasma			
	same treat\$4)) and clean\$3			

21	0 ((((((((((438/625) or (438/626) or	USPAT;	12004/07/23
	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:46
	(438/632) or (438/633) or (438/637) or	EPO; JPO;	
	(438/643) or (438/645) or (438/646) or	DERWENT;	
	(438/648) or (438/653) or (438/656) or	IBM TDB	
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
İ	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(cap\$4 near10 (copper or cu))) not		
	(((((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		
	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or	1	
	(438/672) or (438/674) or (438/675) or	•	
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(passivat\$3 near10 (copper or cu))) not		
	(((((((((438/625) or (438/626) or	1	
İ	(438/627) or (438/629) or (438/631) or		İ
	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
1	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		-
	anti)))) and (damascene or trench)) and		
	(polish near10 stop\$4)))) and (plasma		
	same treat\$4)) and clean\$3) and anneal\$3)		
I	and (nitric adj acid)	1	1

20		11111111111111111111111111111111111111	HCDNM.	2004/07/22
20	10	(((((((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:46
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		}
		anti)))) and (damascene or trench)) and		
·		(cap\$4 near10 (copper or cu))) not		
·	·	(((((((((438/625) or (438/626) or		
:		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
,		(438/700)).CCLS.) and (cmp or (chemical\$2		
:		adj mechanical\$2 adj polish\$3))) and		
	}	dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
		((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)))) and (plasma		
		same treat\$4)) and clean\$3) and anneal\$3		
22	601	(((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:11
}		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or	_	
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (damascene or trench)		0004/07/55
23	454	((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:13
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (damascene or trench)) and		
		((remov\$3 or polish\$3 or planariz\$3)		
		near5 (insulat\$3 or dielectric))		
L	L	1	<u> </u>	l

24	10 (((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
	or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:13
	(438/633) or (438/637) or (438/643) or	EPO; JPO;	
	(438/645) or (438/646) or (438/648) or	DERWENT;	
	(438/653) or (438/656) or (438/660) or	IBM TDB	
	(438/663) or (438/669) or (438/672) or	_	
	(438/674) or (438/675) or (438/685) or		
	(438/687) or (438/692) or		<u> </u>
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		į l
	dish\$3) and (damascene or trench)) and		f I
	((remov\$3 or polish\$3 or planariz\$3)		
	near5 (insulat\$3 or dielectric))) and		1
	((taper\$3 or round\$3) near5 (insulat\$3 or		
	dielectric))		!